Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-17.   (cancelled)

18.   (currently amended) A method for tracking a vehicle comprising:

~~receiving a specification of a first location, the specification including coordinates of the first location;~~

storing data characterizing a series of maneuvers to be carried out by the vehicle, said series of maneuvers including a first maneuver to be carried out by the vehicle at a first location;

determining when the vehicle is at the first location, including detecting when the vehicle performs the first maneuver using the stored data characterizing the series of maneuvers;

computing first position data using a reference signal at the vehicle from a positioning system at the time at which the vehicle was determined to be at the first location;

computing position correction data using the first position data and [[the]]coordinates of the first location;

computing second position data using a reference signal received at the vehicle from the positioning system at a second time subsequent to the time at which that the vehicle was determined to be at the first location; and

determining coordinates of the vehicle at the second time including combining at the vehicle the correction data and the second position data.

19.   (cancelled)

20.   (currently amended) Software recorded on a computer readable medium for causing an in-vehicle computer to perform the functions of:

~~receiving a specification of a first location, the specification including coordinates of the first location;~~

storing data characterizing a series of maneuvers to be carried out by the vehicle, said series of maneuvers including a first maneuver to be carried out by the vehicle at a first location;

determining when the vehicle is at the first location, including detecting when the vehicle performs the first maneuver using the stored data characterizing the series of maneuvers;

computing first position data using a reference signal received at the vehicle from a positioning system at the time at which the vehicle was determined to be at the first location;

computing position correction data using the first position data and [[the]] coordinates of the first location;

computing second position data using a reference signal received at the vehicle from a positioning system at a second time subsequent to the time at which that the vehicle was determined to be at the first location; and

determining coordinates of the vehicle at the second time including combining at the vehicle the correction data and the second position data.

21.   (currently amended) An in-vehicle navigation system comprising:

a positioning system receiver for receiving reference signals from a positioning system;

a first storage for holding ~~a specification of a first location~~data characterizing a series of maneuvers to be carried out by a vehicle, ~~the specification including~~said data including coordinate of [[the]]a first location and data characterizing a first maneuver to be carried out by the vehicle at the first location;

a second storage for holding position correction data;

a vehicle sensor for sensing motion of the vehicle; and

a processor coupled to the positioning system receiver, to the first and the second storage, and to the vehicle sensor, and programmed to perform the functions of

determining when the vehicle is at the first location using signals from the vehicle sensor, including detecting when the vehicle performs the first maneuver using the data from the first storage characterizing the first maneuver,

accepting first reference data related to the location of the vehicle at the time at which the vehicle was determined to be at the first location from the positioning system receiver,

computing position correction data using the first reference data and the coordinates of the first location, and

determining coordinates of the vehicle at a second time subsequent to the time at which that the vehicle was determined to be at the first location using the computed position correction data.

22-26. (cancelled)